

FIG. 1

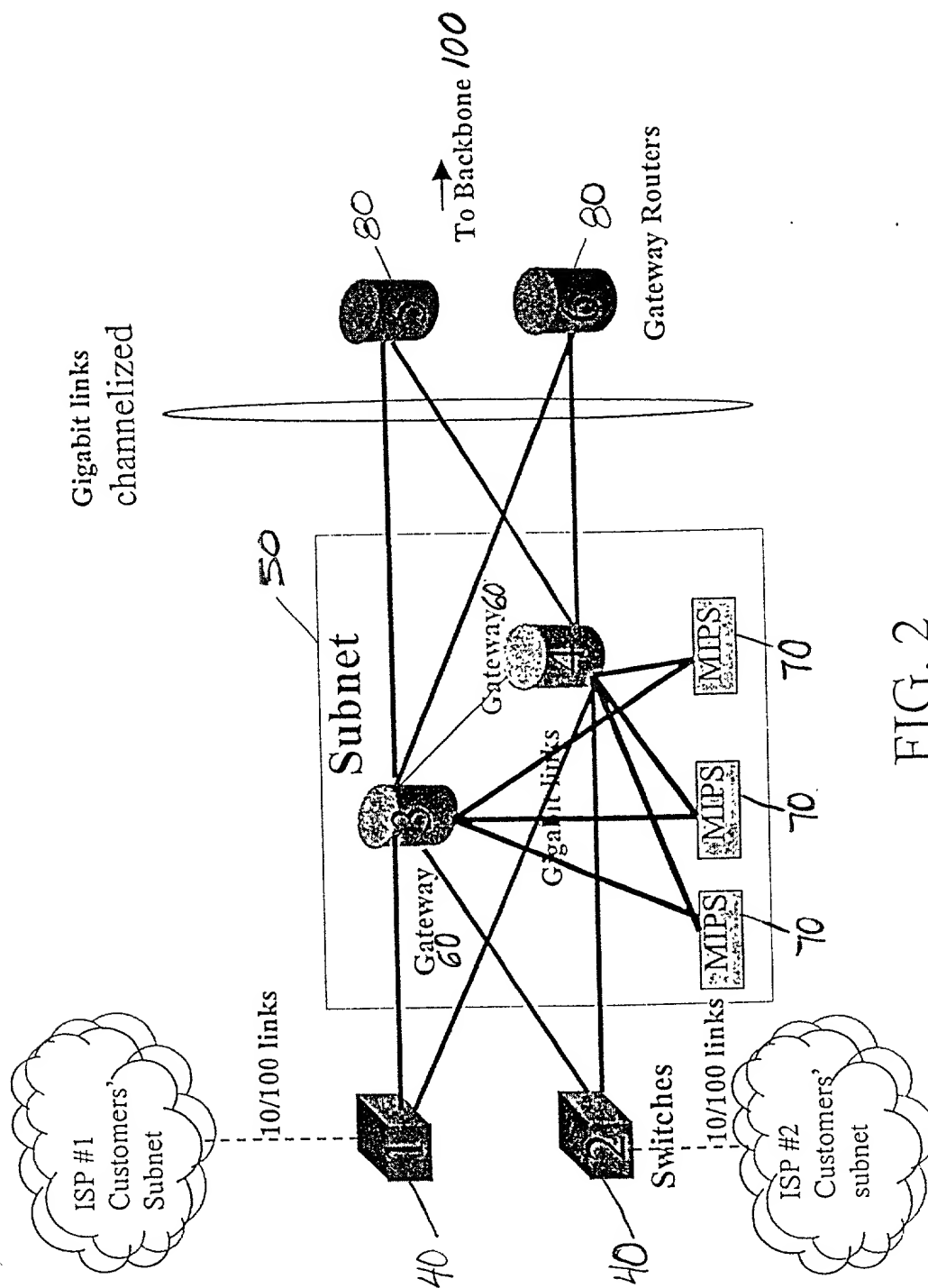


FIG. 2

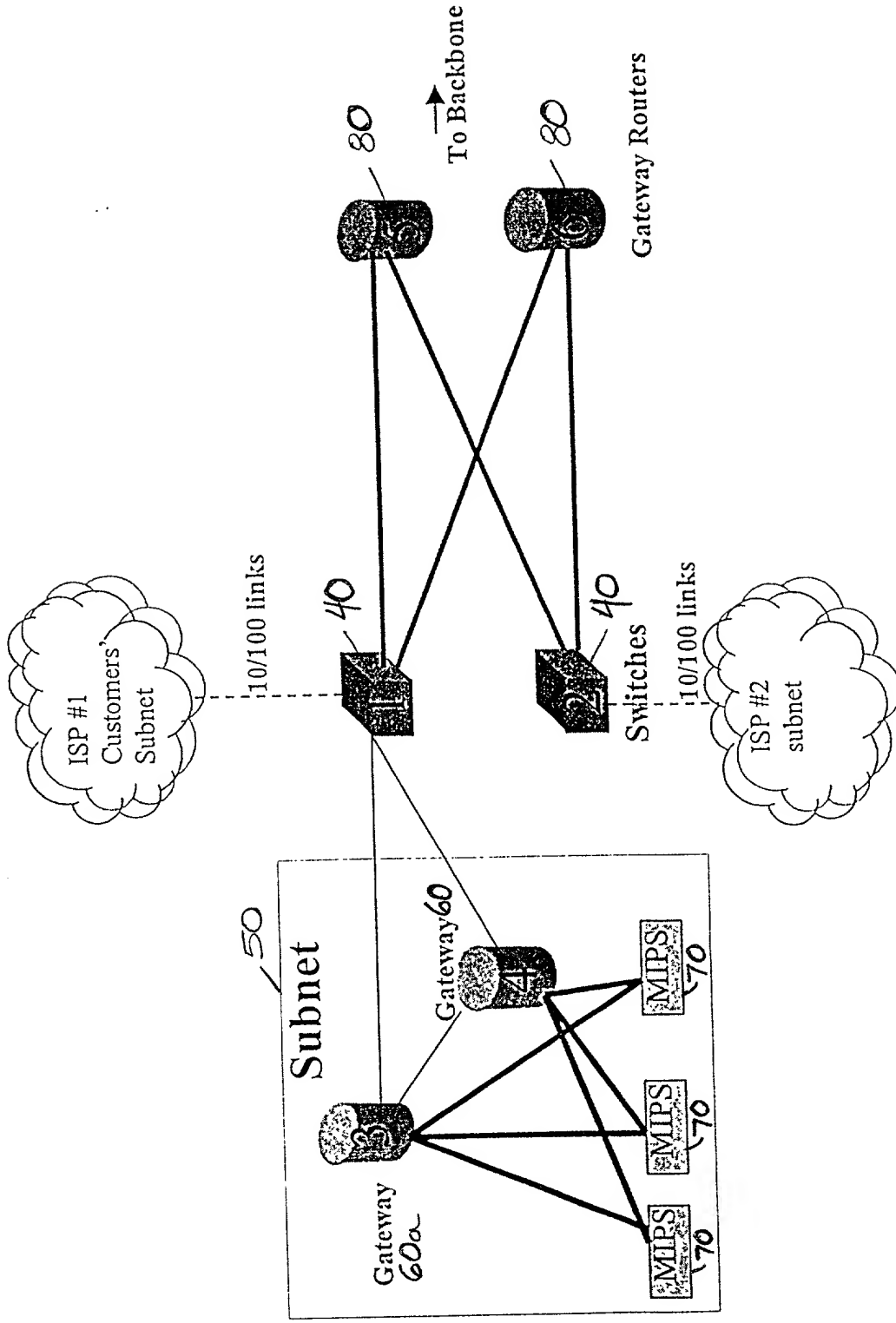


FIG. 3

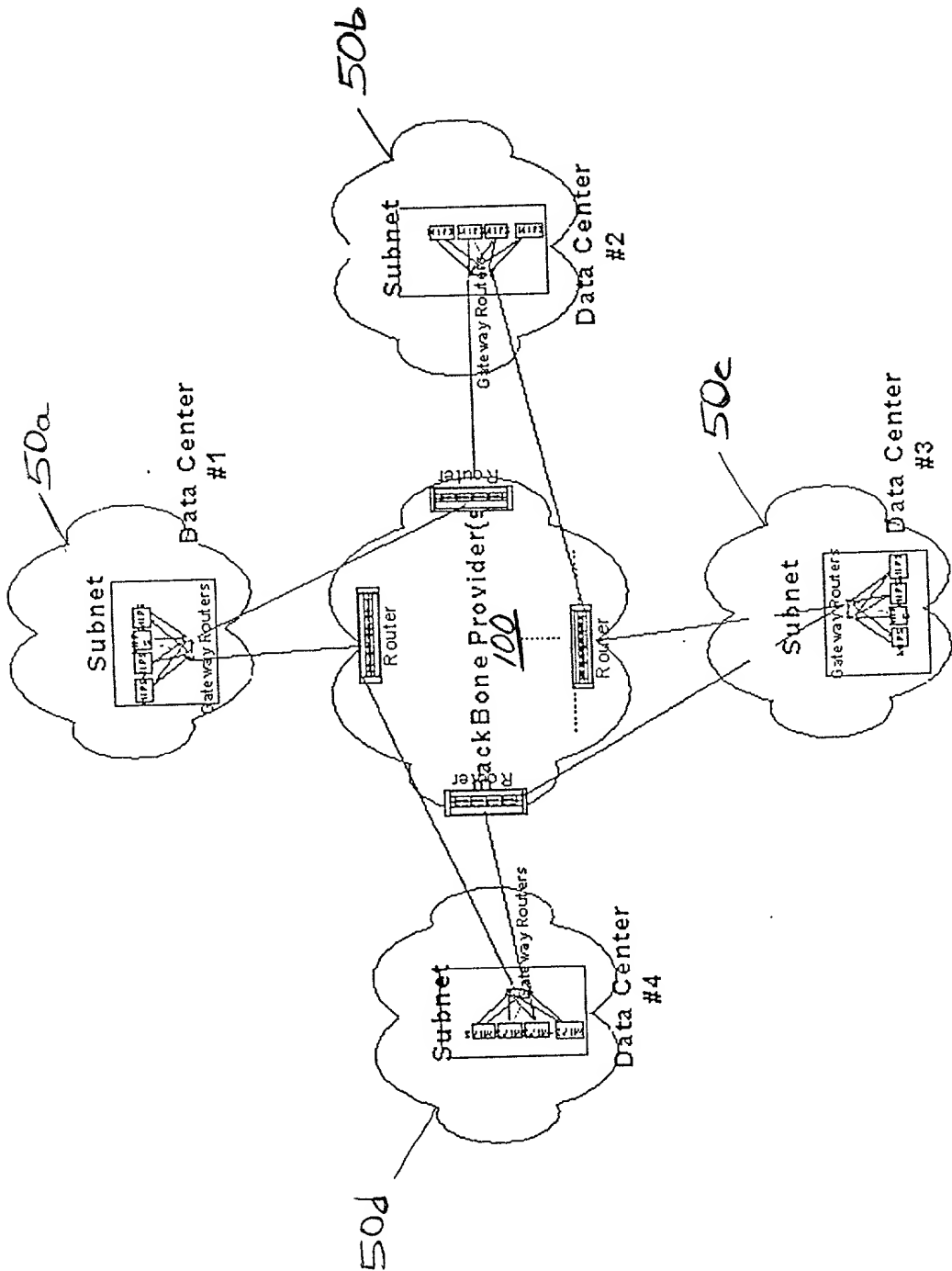


FIG. 4

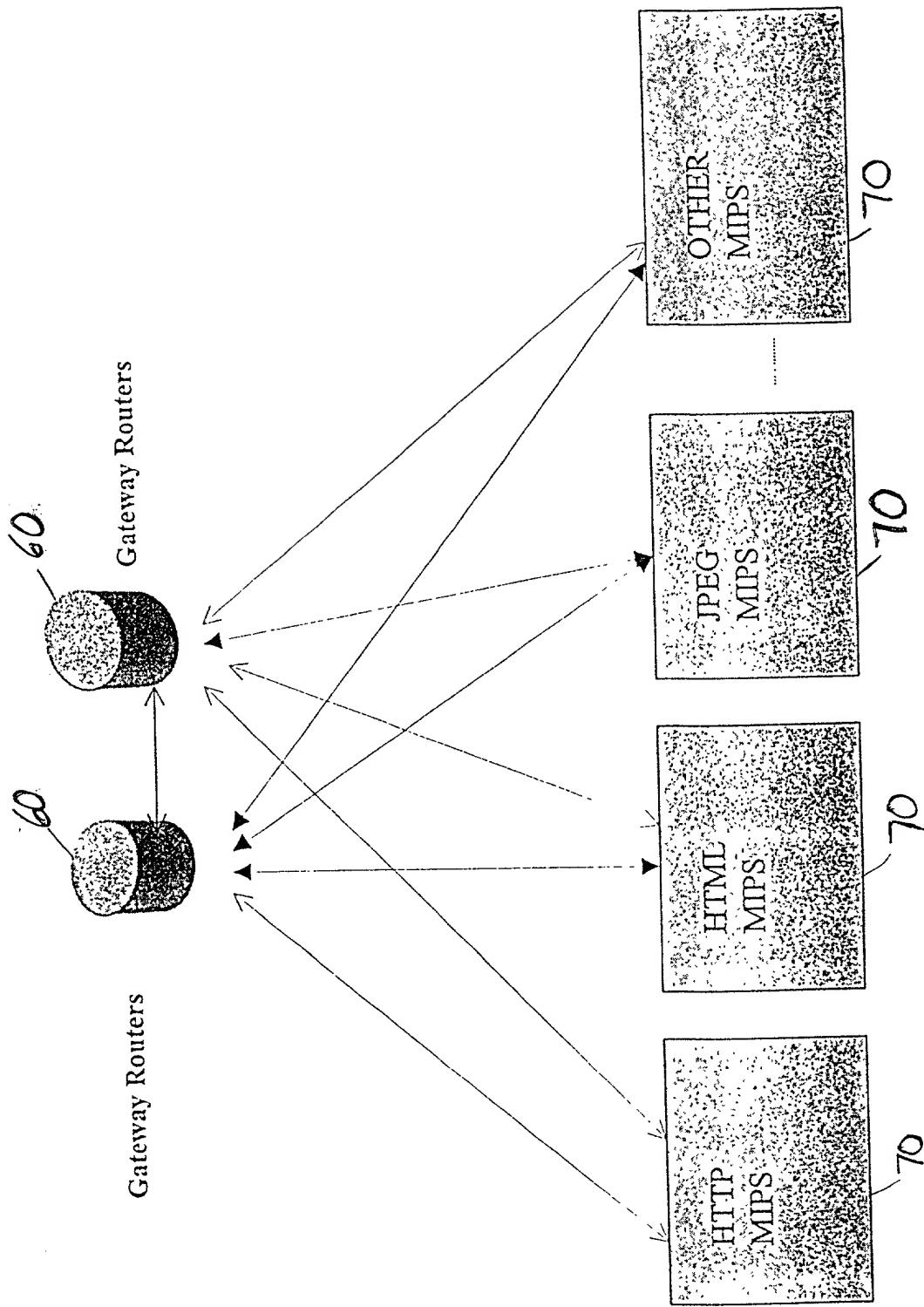


FIG. 5

Level 3  
CLIENT  
APPL.

Src Addr. = <Client IP>  
QuikCat Dest. Addr: = <Gateway  
IP>  
OPTIONS:  
•Type = "n"  
•SI Data Channel =  
<Compressed>  
Uncompressed>

Gateway

STD  
MIPS

HTML  
MIPS

GIF  
MIPS

OTHERS  
MIPS

Dest  
Site #1

Dest  
Site #2

Dest  
Site #3

Dest  
Site #4

•Validate net id of the Source IP address

Forward Datagram to STD MIPS

If (SI Type = "n" & SI Data Channel =  
Compressed)  
Uncompress and Decrypt  
Datagram; Set Dest. Addr to  
Dest IP Addr; Set content field  
Else if (SI Type = "n" &  
SI Data Channel =  
Compressed)  
Decrypt Datagram; Set Dest.  
Addr to Dest IP Addr; Set  
content field  
Else  
Compress & Encrypt Datagram  
Set Source Addr to Gateway Addr

FIG. 6A

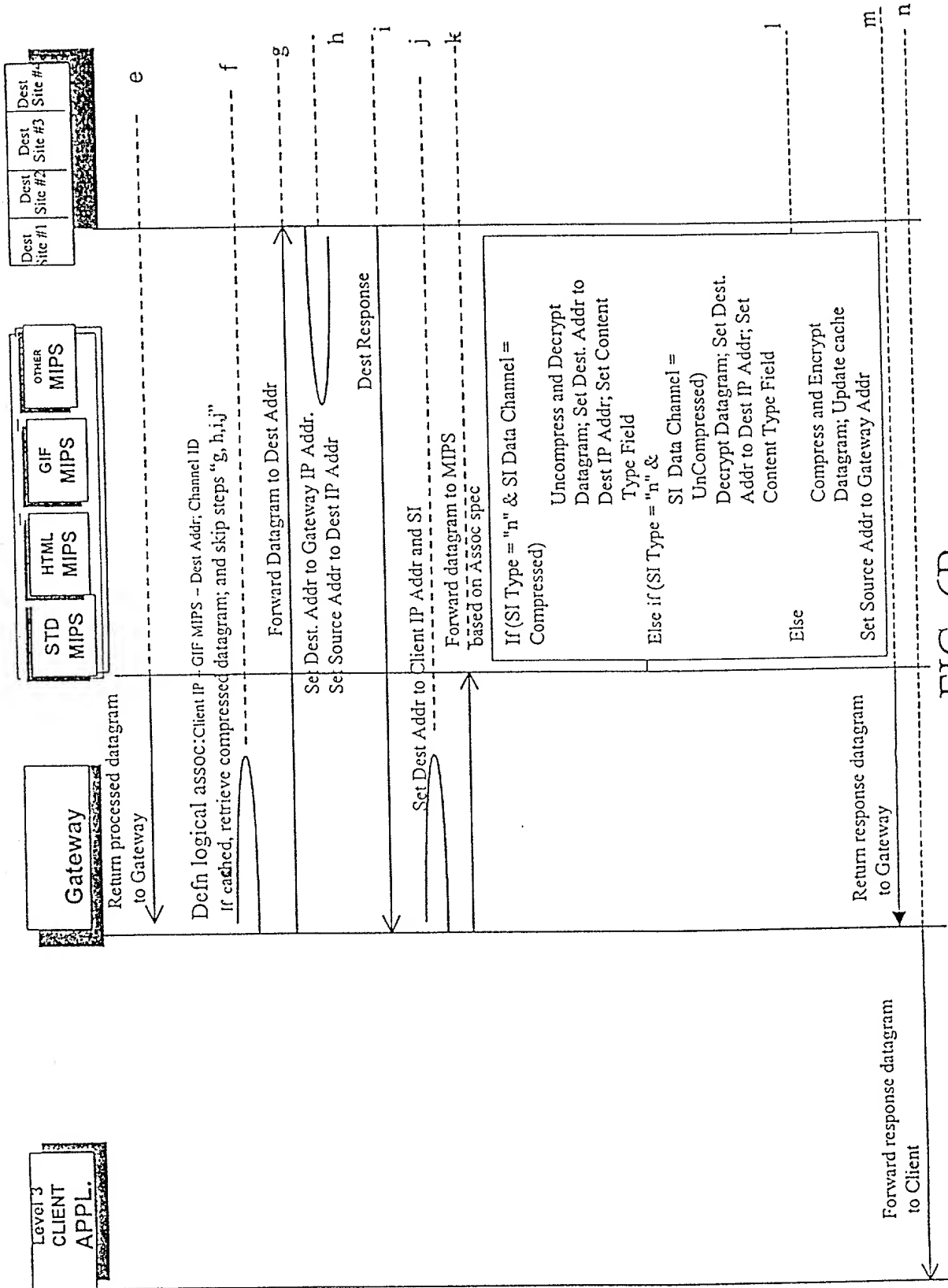


FIG. 6B

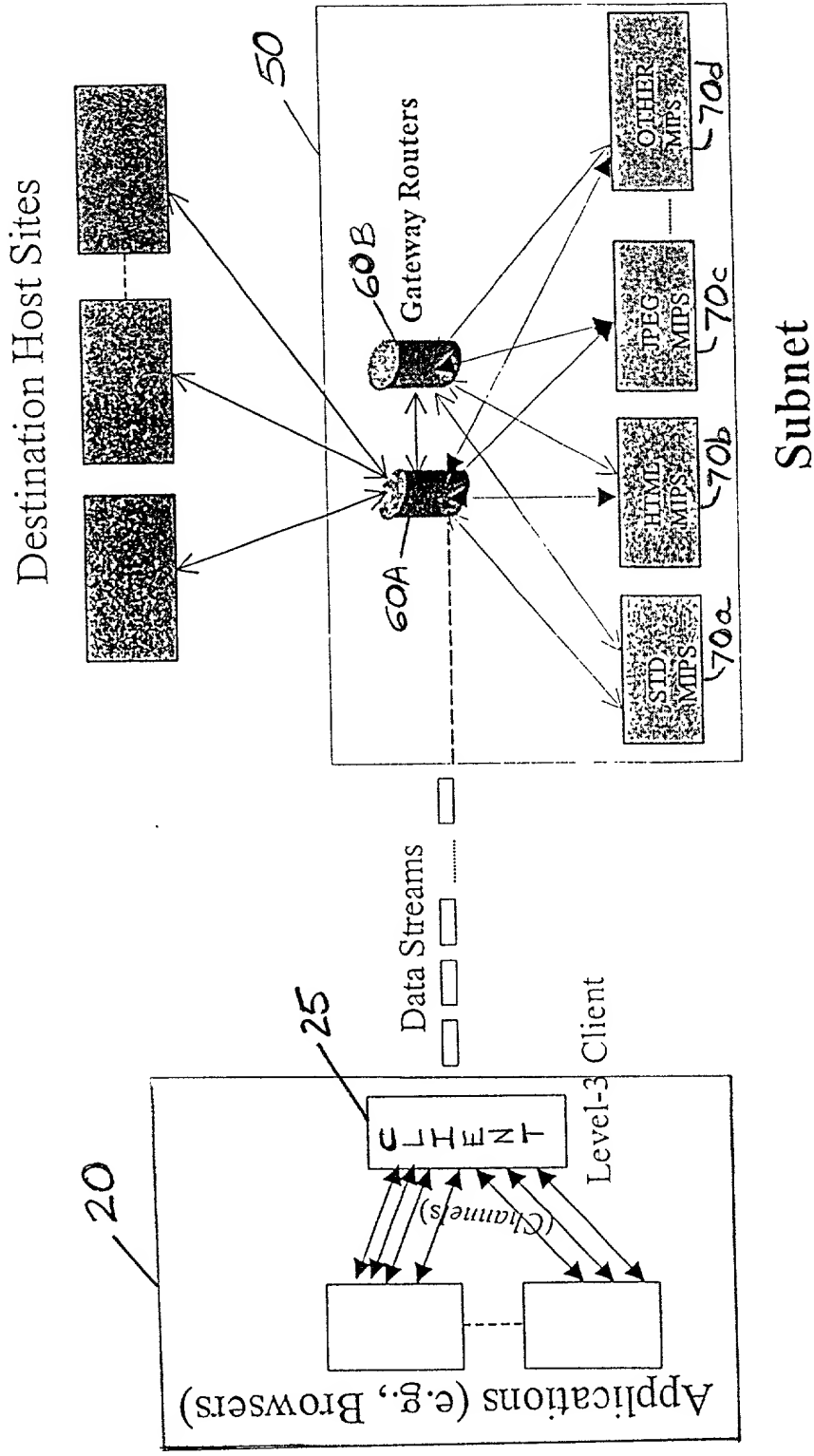


FIG. 7



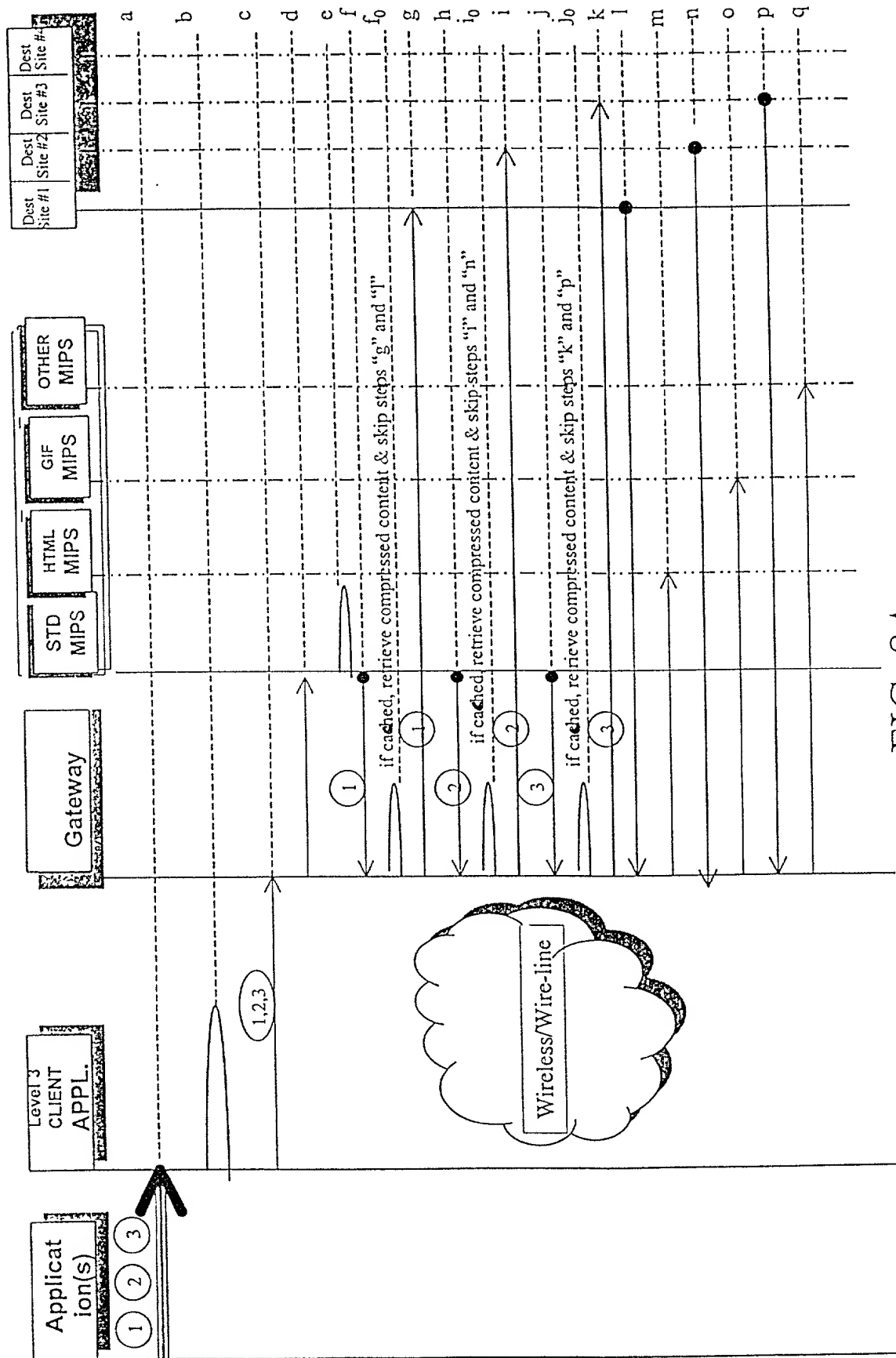


FIG. 8A

FIG. 8B is a diagram illustrating a sequence of events in a network system. The diagram shows a timeline with various components and their interactions over time.

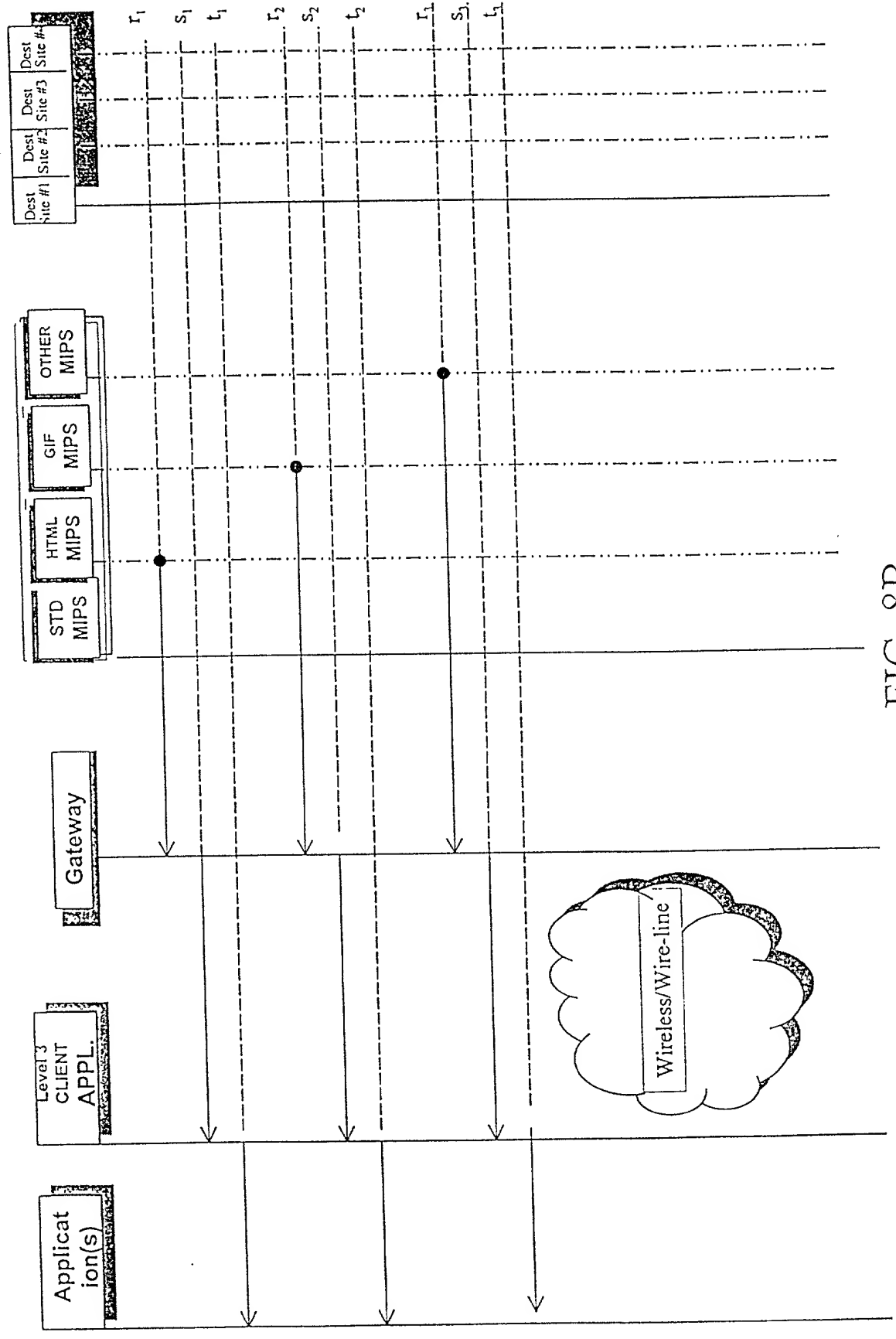


FIG. 8B